

Pulling an image

```
Command Prompt
Microsoft Windows [Version 10.0.19041.928]
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C:\Users\user>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE

C:\Users\user>docker pull ubuntu:16.04
16.04: Pulling from library/ubuntu
92473f7ef455: Pull complete
fb52bde70123: Pull complete
64788f86be3f: Pull complete
33f6d5f2e001: Pull complete
Digest: sha256:eed7e1076bbc1f342c4474c718e5438af4784f59a4e88ad687dbb98483b59ee4
Status: Downloaded newer image for ubuntu:16.04
docker.io/library/ubuntu:16.04

C:\Users\user>docker pull:16.10
docker: 'pull:16.10' is not a docker command.
See 'docker --help'

C:\Users\user>docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10

C:\Users\user>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     aefd7f02ae24   2 weeks ago    134MB
ubuntu        16.10     7d3f705d307c   3 years ago    107MB

C:\Users\user>docker rmi 7d
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a2801529348366953e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:61172966249d43026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e

C:\Users\user>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        16.04     aefd7f02ae24   2 weeks ago    134MB

C:\Users\user>201807103_Lanoy
```

Running our container

```
C:\Users\user>docker run ubuntu:16.04 /bin/echo 'Hello World!'
'Hello World!'
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|--------------------------|--------------------|------------|-------|--------------------|
| 3d518ffdc27c | ubuntu:16.04 | "/bin/bash" | 15 seconds ago | Exited (0) | | nice_hamilton |
| acbe898d1a77 | ubuntu:16.04 | "/bin/echo 'Hello Wo..." | About a minute ago | Exited (0) | | vibrant_cartwright |

```
C:\Users\user>docker run ubuntu:16.04 /bin/bash
root@333445d8b944:/# pwd
/
root@333445d8b944:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys usr var
root@333445d8b944:/# exit
exit
```

```
C:\Users\user>docker run -d ubuntu:16.04 /bin/sleep 3600
3870abf09ee36c3e2c3d72ad572fc52fd9b44a95376d97634288e4ff4f6557a
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|-------------------|---------------|--------------|-------|------------------|
| 3870abf09ee3 | ubuntu:16.04 | "/bin/sleep 3600" | 8 seconds ago | Up 7 seconds | | upbeat_zhukovsky |

```
C:\Users\user>docker exec -it 387 /bin/bash
root@3870abf09ee3:/# ps aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1   0.0  0.0  4372   676 ?        Ss   06:31   0:00 /bin/sleep 3600
root        17   0.1  0.0  18232 3392 pts/0    Ss   06:33   0:00 /bin/bash
root       117   0.0  0.0  34420 2864 pts/0    R+   06:33   0:00 ps aux
root@3870abf09ee3:/# exit
exit
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|-------------------|---------------|--------------|-------|------------------|
| 3870abf09ee3 | ubuntu:16.04 | "/bin/sleep 3600" | 2 minutes ago | Up 2 minutes | | upbeat_zhukovsky |

```
C:\Users\user>docker stop 3870
3870
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|--------------------------|----------------|--------------|----------------|---------------------|
| 3870abf09ee3 | ubuntu:16.04 | "/bin/sleep 3600" | 11 minutes ago | Exited (137) | 7 minutes ago | upbeat_zhukovsky |
| 333445d8b944 | ubuntu:16.04 | "/bin/bash" | 13 minutes ago | Exited (0) | 12 minutes ago | quizzical lederberg |
| 3d518ffdc27c | ubuntu:16.04 | "/bin/bash" | 14 minutes ago | Exited (0) | 14 minutes ago | nice_hamilton |
| acbe898d1a77 | ubuntu:16.04 | "/bin/echo 'Hello Wo..." | 15 minutes ago | Exited (0) | 15 minutes ago | vibrant_cartwright |

```
C:\Users\user>201807103_Lanoy
```

Removing Containers

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|--------------------------|----------------|--------------|----------------|---------------------|
| 3870abf09ee3 | ubuntu:16.04 | "/bin/sleep 3600" | 16 minutes ago | Exited (137) | 13 minutes ago | upbeat_zhukovsky |
| 333445d8b944 | ubuntu:16.04 | "/bin/bash" | 18 minutes ago | Exited (0) | 17 minutes ago | quizzical lederberg |
| 3d518ffdc27c | ubuntu:16.04 | "/bin/bash" | 20 minutes ago | Exited (0) | 20 minutes ago | nice_hamilton |
| acbe898d1a77 | ubuntu:16.04 | "/bin/echo 'Hello Wo..." | 20 minutes ago | Exited (0) | 20 minutes ago | vibrant_cartwright |

```
C:\Users\user>docker rm $docker ps -a -q)
unknown shorthand flag: 'a' in -a
See 'docker rm --help'.
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|--------------------------|----------------|--------------|----------------|---------------------|
| 3870abf09ee3 | ubuntu:16.04 | "/bin/sleep 3600" | 17 minutes ago | Exited (137) | 13 minutes ago | upbeat_zhukovsky |
| 333445d8b944 | ubuntu:16.04 | "/bin/bash" | 19 minutes ago | Exited (0) | 18 minutes ago | quizzical lederberg |
| 3d518ffdc27c | ubuntu:16.04 | "/bin/bash" | 20 minutes ago | Exited (0) | 20 minutes ago | nice_hamilton |
| acbe898d1a77 | ubuntu:16.04 | "/bin/echo 'Hello Wo..." | 21 minutes ago | Exited (0) | 21 minutes ago | vibrant_cartwright |

```
C:\Users\user>docker rm $(docker ps -a -q)
unknown shorthand flag: 'a' in -a
See 'docker rm --help'.
```

```
C:\Users\user>docker rm 387
387

C:\Users\user>docker rm 333
333

C:\Users\user>docker rm 3d5
3d5

C:\Users\user>docker rm acb
acb
```

had a problem executing the following command on bash so switched to powershell and ran new containers

```
C:\Users\user>docker ps -a
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|--------------|--------------------------|----------------|---------------------------|-------|-------------------|
| 1ddbedce0358 | ubuntu:16.04 | "/bin/echo 'Hello wo..." | 4 seconds ago | Exited (0) 3 seconds ago | | friendly_lewin |
| eb0f2cbffd0f | ubuntu:16.04 | "/bin/bash" | 6 seconds ago | Exited (0) 5 seconds ago | | pedantic_darwin |
| dab3ffd0c36f | ubuntu:16.04 | "/bin/echo 'Hello wo..." | 16 seconds ago | Exited (0) 15 seconds ago | | objective_ptolemy |

```
PS C:\Users\user> docker rm $(docker ps -a -q)
1ddbedce0358
eb0f2cbffd0f
dab3ffd0c36f
PS C:\Users\user>
```

```
C:\Users\user>docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
'Hello and goodbye!'
```

```
C:\Users\user>docker ps -a
```

| CONTAINER ID | IMAGE | COMMAND | CREATED | STATUS | PORTS | NAMES |
|--------------|-------|---------|---------|--------|-------|-------|
|--------------|-------|---------|---------|--------|-------|-------|

```
C:\Users\user>
```